

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,841,169 B2  
APPLICATION NO. : 10/589204  
DATED : November 30, 2010  
INVENTOR(S) : Tatsuhisa Yokoi et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<u>Column</u>	<u>Line</u>	<u>Claim</u>	
8	55	3	Change "intermittent has" to --intermittent addition has--.
18	62	3	After "flows" insert --in--.
19	45	7	Change "less that" to --less than--.
20	3	9	After "portion" insert --of--.
20	19	11	Change "less that" to --less than--.
22	20	22	After "flows" insert --in--.

Signed and Sealed this  
Third Day of May, 2011



David J. Kappos  
Director of the United States Patent and Trademark Office